

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,158,144 B2  
APPLICATION NO. : 09/111731  
DATED : January 2, 2007  
INVENTOR(S) : Yoshinobu Shiraiwa et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

ON THE TITLE PAGE:

At Item (\*), Notice, insert --This patent issued on a continued prosecution application filed under 37 CFR 1.53(d), and is subject to the twenty year patent term provisions of 35 U.S.C. 154(a)(2).--.

IN THE DRAWINGS:

Sheet No. 13, Figure 13, --THREE-DIMENTIONAL-- (both occurrences) should read --THREE-DIMENSIONAL--.

COLUMN 1:

Line 38, "calorimetric" should read --colorimetric--.  
Line 43, "calorimetric" should read --colorimetric--.  
Line 50, "calorimetric" should read --colorimetric--.  
Line 61, "calorimetric" should read --colorimetric--.

COLUMN 2:

Line 17, "calorimetric" should read --colorimetric--.  
Line 20, "calorimetric" should read --colorimetric--.  
Line 25, "calorimetric" should read --colorimetric--.  
Line 28, "calorimetric" should read --colorimetric--.  
Line 29, "calorimetric" should read --colorimetric--.  
Line 45, "calorimetric" should read --colorimetric--.

COLUMN 4:

Line 27, "calorimetric" should read --colorimetric--.

COLUMN 5:

Line 16, "calori-" should read --colori- --.  
Line 19, "calorimetric" should read --colorimetric--.  
Line 23, "calorimetric" should read --colorimetric--.  
Line 54, "corresponds" should read --corresponds to--.  
Line 65, "calorimetric" should read --colorimetric--.

COLUMN 6:

Line 9, "calorimetric" should read --colorimetric--.  
Line 12, "calo-" should read --colo- --.  
Line 14, "calorimetric" should read --colorimetric--.

COLUMN 8:

Line 1, "Von." should read --Von--.  
Line 9, "Von." should read --Von--.

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COLUMN 9:

Line 12, "calorimetric" should read --colorimetric--.  
Line 13, "calorimetric" should read --colorimetric--.  
Line 52, "calorimetric" should read --colorimetric--.

COLUMN 10:

Line 52, "signals  $R_{out}$  'G<sub>out</sub>' B<sub>out</sub>'." should read --signals  $R_{out}$  G<sub>out</sub> B<sub>out</sub>--.  
Line 53: Close up the right margin.  
Line 61, " $B_{out}=LUT_{Bout}(B_{out})$ " should read -- $B_{out}=LUT_{Bout}(B_{out})$ --.

COLUMN 11:

Line 30, "signals  $R_{out}$  'G<sub>out</sub>' B<sub>out</sub>'" should read --signals  $R_{out}$  'G<sub>out</sub>' B<sub>out</sub>'),-- and "values  $X_{WIII}$   $Y_{WIII}$ " should read --values  $X_{WIII}$   $Y_{WIII}$   $Z_{WIII}$ --.  
Line 31, " $Z_{WIII}$ " should be deleted.

COLUMN 12:

Line 31, "Von." should read --Von--.

COLUMN 13:

Line 57, "ratio  $IH_{ks}$ " should read --ratio  $IH_{ks}$ --.  
Line 66, "source," should read --sources--.

COLUMN 14:

Line 3, "source" should read --sources--.  
Line 53, "values ( $X'_w$ ,  $Y'_w$ )" should read --values ( $x'_w$ ,  $y'_w$ )--.

Line 58, " $x'_w = \frac{4.6070 \cdot 10^9}{CCT_{ks}^3} + \frac{2.9678 \cdot 10^6}{CCT_{ks}^2} + \frac{0.09911 \cdot 10^3}{CCT_{ks}} 0.244063 X$ "

should read

-- $x'_w = \frac{4.6070 \cdot 10^9}{CCT_{ks}^3} + \frac{2.9678 \cdot 10^6}{CCT_{ks}^2} + \frac{0.09911 \cdot 10^3}{CCT_{ks}} + 0.244063 X$ --.

Line 65, "calorimetric" should read --colorimetric--.

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COLUMN 15:

Line 3, “  $x'_w = \frac{x'_w}{y'_w} \cdot Y_{ks}$  ” should read --  $X'_w = \frac{x_w}{y'_w} \cdot Y_{ks}$  --.

Line 21, “unit 107.” should read --unit 1107.--.

Line 38, “environmental” should read --(environmental--.

Signed and Sealed this

Third Day of June, 2008



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*